



**Actuarial Valuation Report  
for the United States Army  
Nonappropriated Fund  
Employee Retirement Plan  
as of October 1, 2011**

**Produced by **Cheiron****

**May 2012**

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May 29, 2012

Mr. Robert Ramsey, Sr.  
Chief, NAF Employee Benefits Office  
Family and MWR Command  
P.O. Box 340309  
Fort Sam Houston, TX 78234

Dear Mr. Ramsey:

At your request, we have conducted our annual actuarial valuation of the United States Army Nonappropriated Fund Employee Retirement Plan as of October 1, 2011. The results of the valuation are contained in the following report.

The actuarial assumptions used in performing this valuation have been recommended by the actuary in the most recent review of the Plan's experience completed concurrently with the October 1, 2005 actuarial valuation. We believe the assumptions used in the aggregate, reflect our best estimate of anticipated future experience of the Plan. The results of this report are dependent upon future experience conforming to these assumptions. To the extent that future experience deviates from these assumptions, the true cost of the Plan could vary from our results.

In preparing our report, we relied, without audit, on information (some oral and some written) supplied by the Employee Benefits Office, John Hancock Mutual Life Insurance Company, and Ameritas. This information includes, but is not limited to, plan provisions, employee data, and financial information.

Cheiron's report was prepared exclusively for the United States Army Nonappropriated Fund Employee Retirement Plan for a specific and limited purpose. It is not for the use or benefit of any third party for any purpose. Any third party recipient of Cheiron's work product who desires professional guidance should not rely upon Cheiron's work product, but should engage qualified professionals for advice appropriate to its own specific needs.



Mr. Robert Ramsey, Sr.  
May 29, 2012  
Page 2

We hereby certify that, to the best of our knowledge, this report and its contents, which are work products of Cheiron, Inc., are complete and have been prepared in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board. Furthermore, as credentialed actuaries, we meet the Qualification Standards of the American Academy of Actuaries to render the opinion contained in this report. This report does not address any contractual or legal issues. We are not attorneys and our firm does not provide any legal services or advice.

Sincerely,  
Cheiron



Kevin J. Woodrich, FSA, EA  
Consulting Actuary



John L. Colberg, FSA, EA  
Principal Consulting Actuary

cc: Steve McElhaney, FSA, FCA, EA

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

**FOREWORD**

Cheiron has performed the actuarial valuation of the United States Army Nonappropriated Fund Employee Retirement Plan as of October 1, 2011. The purpose of this report is to:

- 1) **Determine the contributions** to be paid to the Plan for the fiscal year beginning one year after the valuation date;
- 2) **Measure and disclose**, as of the valuation date, the financial condition of the Plan;
- 3) **Indicate trends** in the financial progress of the Plan; and
- 4) **Provide specific information** and documentation required by P.L. 95-595.

An actuarial valuation establishes and analyzes Plan assets and liabilities on a consistent basis, and traces the progress of both from one year to the next. It includes measurement of the Plan's investment performance as well as an analysis of actuarial liability gains and losses.

**Section I** presents a summary containing our findings and disclosing important trends experienced by the Plan in recent years.

**Section II** contains various exhibits used in determining the financial condition of the Plan.

**Section III** includes the required disclosures and specific information required by P.L. 95-595.

Within Section III of this report is a summary of the Plan's membership at the valuation date, a summary of the major provisions of the Plan, and the actuarial methods and assumptions used in the valuations.

In preparing our report, we relied without audit, on information (some oral and some written) supplied by the Employee Benefits Office, John Hancock Mutual Life Insurance Company, and Ameritas. This information includes, but is not limited to, the Plan provisions, employee data, and financial information.

The actuarial assumptions reflect our understanding of the likely future experience of the Plan and the assumptions as a whole represent our best estimate for the future experience of the Plan. The results of this report are dependent upon future experience conforming to these assumptions. To the extent that future experience deviates from the actuarial assumptions, the true cost of the Plan could vary from our results.

Finally, in preparing this report, we have conformed to generally accepted actuarial principles and practices which are consistent with the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

SECTION I  
SUMMARY

**Comments**

In this section, we will first discuss the trends of the system over the past twelve years, and then show projections of the contribution rate and funding status. Please remember that these projections make certain assumptions about future investment returns, future salary increases, future inflation, and future behavior of plan participants. We cannot know what will actually happen, but these projections should provide a better understanding of the fund's dynamics. Future experience of the fund – particularly the financial market performance – will greatly impact what future contributions are necessary.

Employers currently contribute to the Plan at the rate of 7.0% of payroll. The underlying value of benefits being accumulated is 6.52% of payroll (net of the 2% employee contribution). The actuarial employer contribution rate, which includes the value of the benefits plus or minus the 15-year level amortization of any unfunded liability or surplus, is about 8.85% of payroll for Fiscal Year 2011-12. Our analysis shows that the policy contribution of 7.0% is unlikely to be sufficient, as evidenced by the long term funding projections shown later in this section.

**Recent Experience**

The financial markets performed below our assumption during the fiscal year ending in 2011. The actual return net of expenses on a market value basis was approximately 2.08% compared with an assumed rate of return of 8.0%. The return on an actuarial value basis, smoothing recent market fluctuations, was approximately 4.20%, which equates to a loss of \$37.4 million.

On the liability side, the Plan's experience resulted in an actuarial gain of \$8.7 million (approximately 0.7% of the total actuarial liability). This liability gain was primarily attributable to favorable experience for active participants (e.g. salaries increasing by less than assumed), and retirees not receiving a cost of adjustment on April 1, 2011 when compared to the assumed 3.5%.

The combination of liability and investment experience over the last year has produced a decrease in the Plan's funding ratio (actuarial value of assets over actuarial accrued liability) from 90.3% at October 1, 2010 to 88.7% at October 1, 2011.

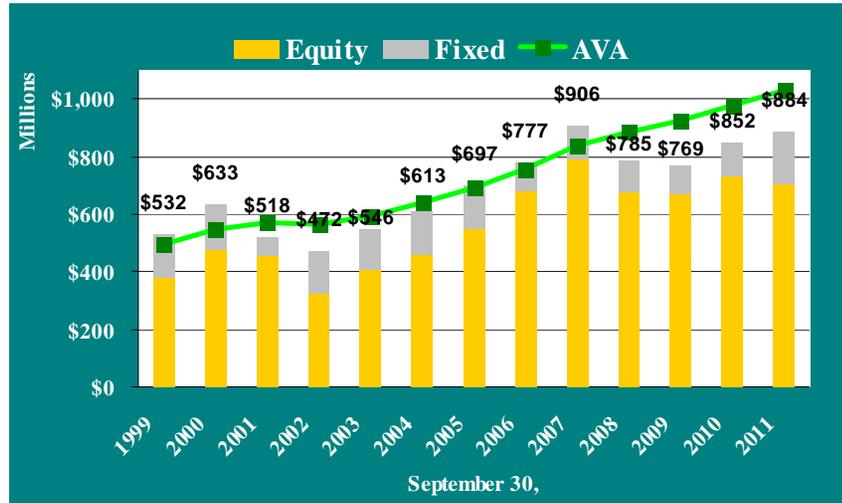
**Trends**

We think it is important to take a step back from these latest results and view them in the context of the Plan's recent history. On the following pages we present a series of charts which display key factors of the valuations in previous years.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

SECTION I  
SUMMARY

Growth in Assets

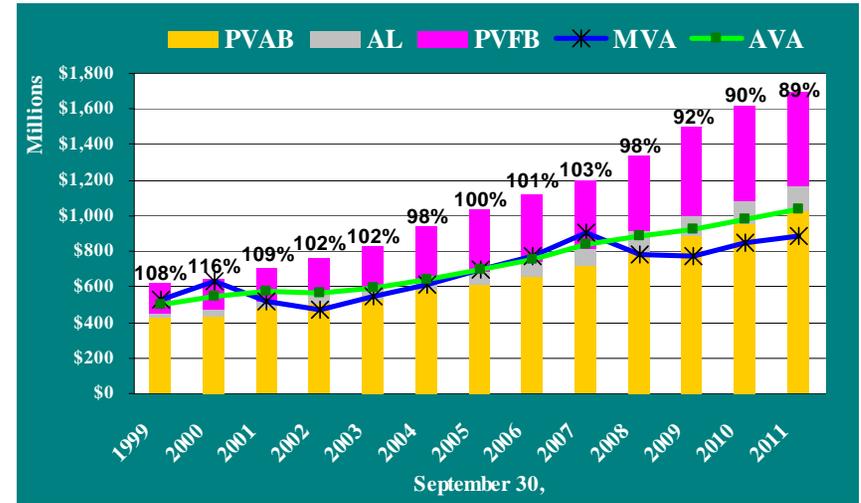


This chart compares the market value of assets (MVA) and the actuarial value of assets (AVA), which represents the market value “smoothed” over 5 years.

The downward trend in market value of assets due to the bear market was reversed in 2003 and the market value had continued to rebound up until 2008 and 2009 but has increased the past two years. The actuarial value of assets of \$1,033 million is greater than the market value of \$884 million.

Over the period October 1, 2010 to September 30, 2011, the Plan’s assets returned 2.08% when measured at market value net of investment expenses. The actuarial value returned was 4.20%, compared to the valuation assumption of 8.0%.

Assets and Liabilities



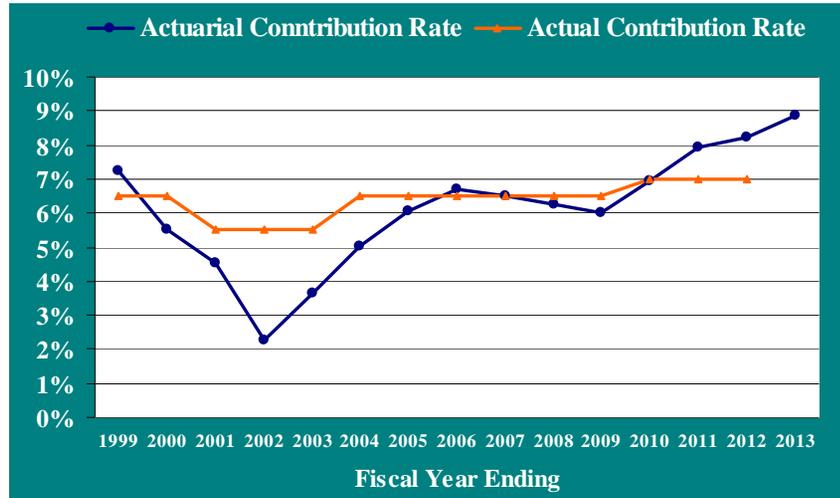
The three colored bars represent the three different measures of liability mentioned in this report. The top of the yellow bar represents the present value of benefits that participants have accrued as of that date (PVAB). The actuarial liability (AL), a measure for funding purposes, is represented by the top of the gray bar. We compare the actuarial value of assets to this measure of liability in developing the funded percent. These are the percentages shown in the graph labels.

The amount represented by the top of the pink bars, the present value of future benefits (PVFB), is the amount needed to provide all benefits for the current participants and their beneficiaries. If the Plan had assets equal to the PVFB no contributions (neither from the employer nor from members) would be needed for the current members if all the assumptions were realized.

**UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011**

**SECTION I  
SUMMARY**

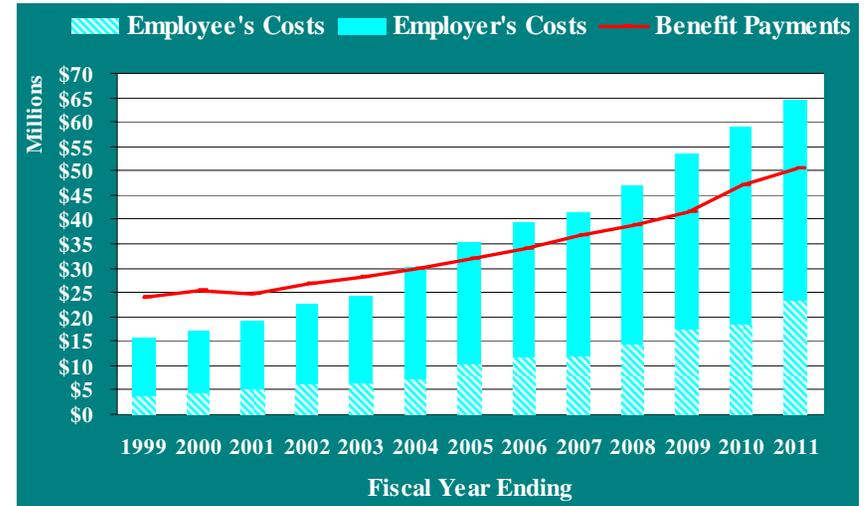
Contribution Rates



This graph shows the employer contributions compared to actuarially calculated contribution rate, denominated as a percent of payroll, and the actual contribution rate. The actuarially calculated rate represents the normal cost plus 15-year amortization of any unfunded liability (or surplus).

The underlying actuarial rate was expected to increase to 8.61% as the market downturn from 2008 is recognized further. However, the underperformance of the assets and liability experience resulted in the actuarial rate increasing to 8.85% for Fiscal Year 2012-13, which is above the current policy of 7.00%.

Cash Flows

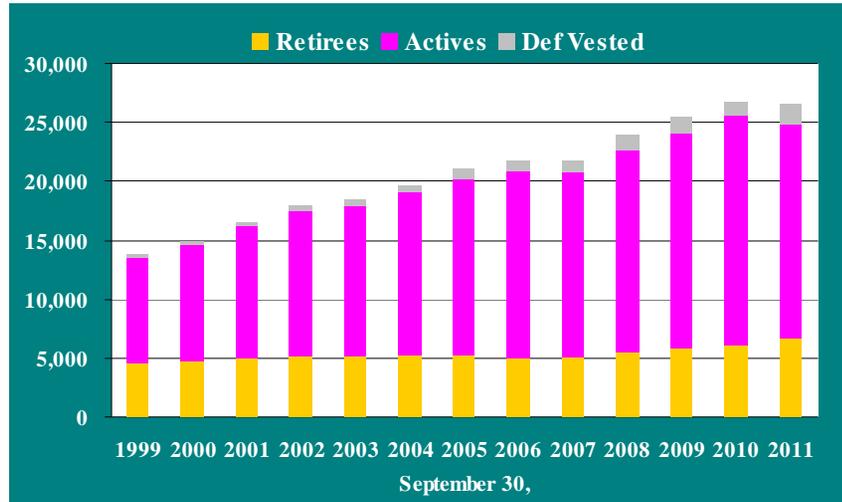


This graph shows the historical cash flows of the Plan – employer and member contributions compared to the benefit payments from the Plan. The fund is maintaining a positive cash flow since changing to mandatory participation for new hires.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

SECTION I  
SUMMARY

Participant Trends



As with many funds in this country, there has been a steady growth in the number of retired members as the Plan has matured.

The chart also shows that the number of actives covered by the Plan decreased from the prior year. The Employee Benefits Office indicated that both the increase in the number of inactive and decrease in actives was primarily attributable to the Base Realignment and Closure Act (BRAC) and stage B of the Privatization of Army Lodging (PAL.)

In addition to the participants shown above, there are approximately 17,926 participants for whom an account balance refund is due. These balances represent about \$7.5 million, or 0.65% of the actuarial liability.

**UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011**

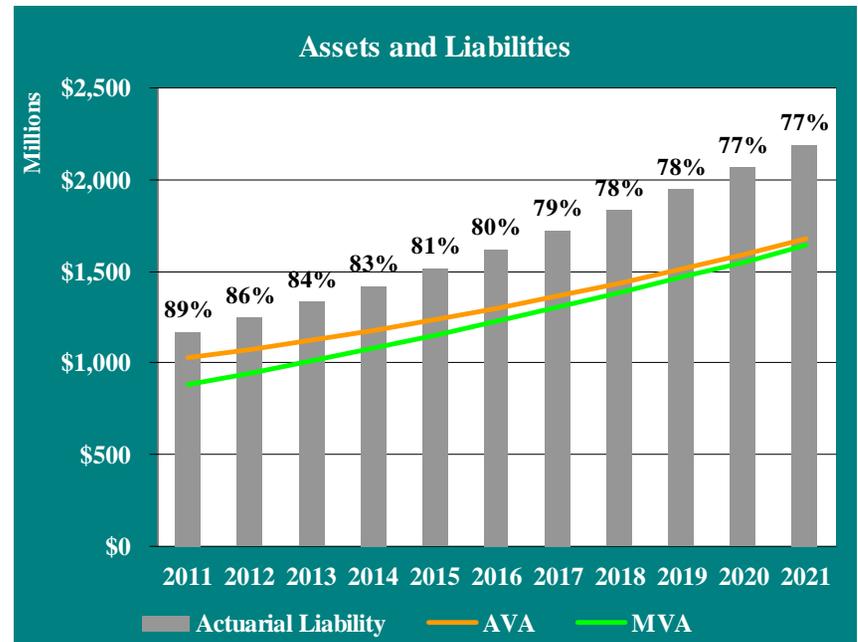
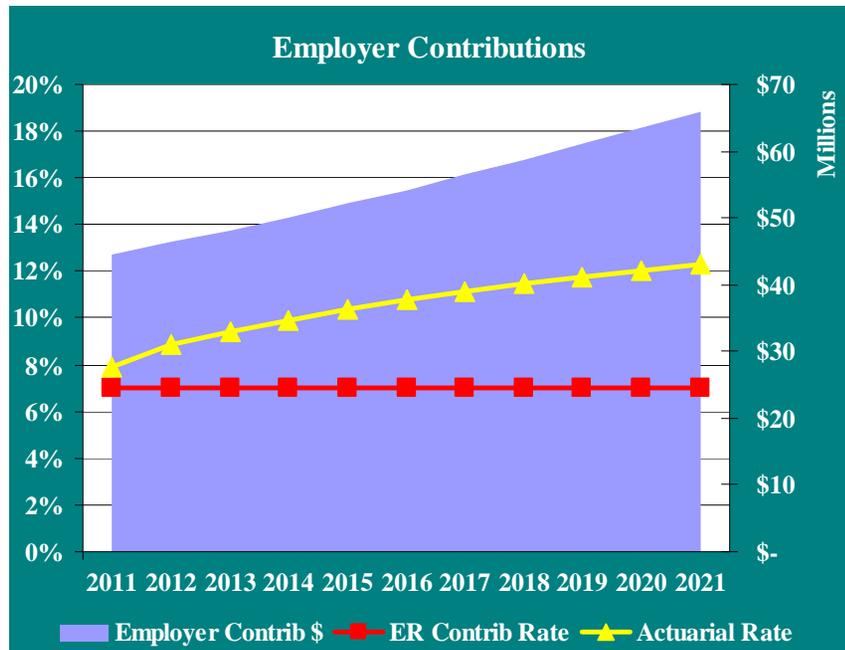
**SECTION I  
SUMMARY**

**Future Outlook**

Base Line Projections

The two charts below show the expected progress of the Plan over the next 10 years assuming that the Plan's assets earn 8% on their *market value*. The chart entitled Employer Contributions shows that the current contribution rate of 7.0% will not be sufficient (if all other actuarial assumptions are met, including the 8% investment return).

The Assets and Liabilities chart shows the projected funding status over the next decade. The Plan is projected to drop from 89% funded to 77% funded over the decade, as the contributions are less than the underlying value of benefits being earned plus interest on the unfunded liability.



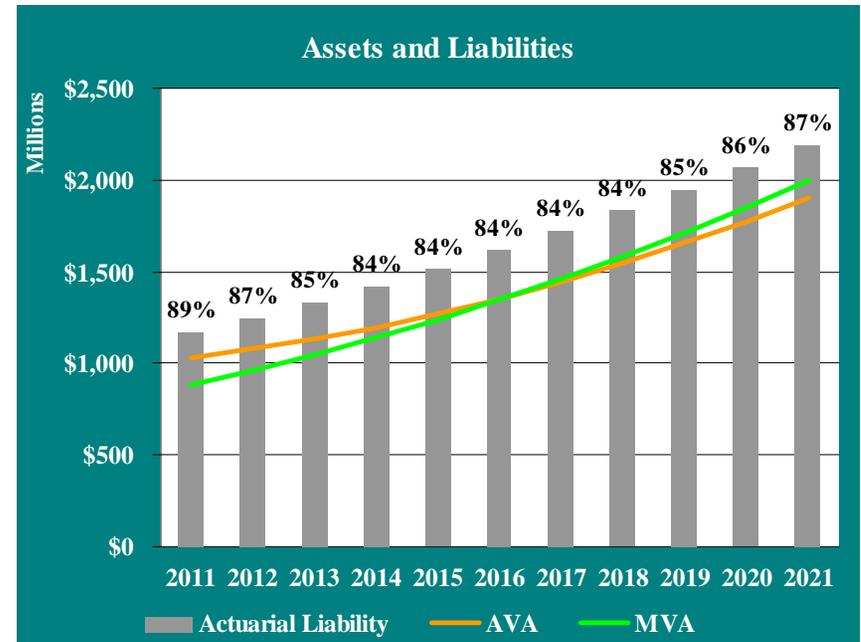
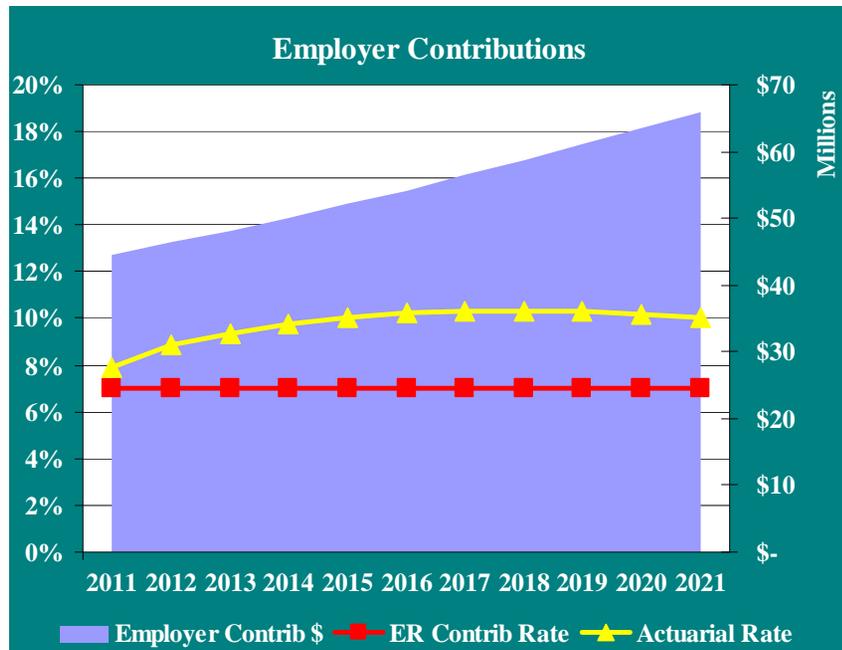
**UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011**

**SECTION I  
SUMMARY**

Projections with Asset Returns of 10%

The future funding of this Plan will be largely driven by the investment earnings. Due to the size of assets, as compared to liabilities, the Plan is in a highly leveraged position. This means that changes in the market returns can have significant effects on the Plan's status. The next two charts show what the coming decade would look like with a 10% annual return.

The Plan's funded status, with these investment returns, is projected to drop for a few years before beginning to increase again.



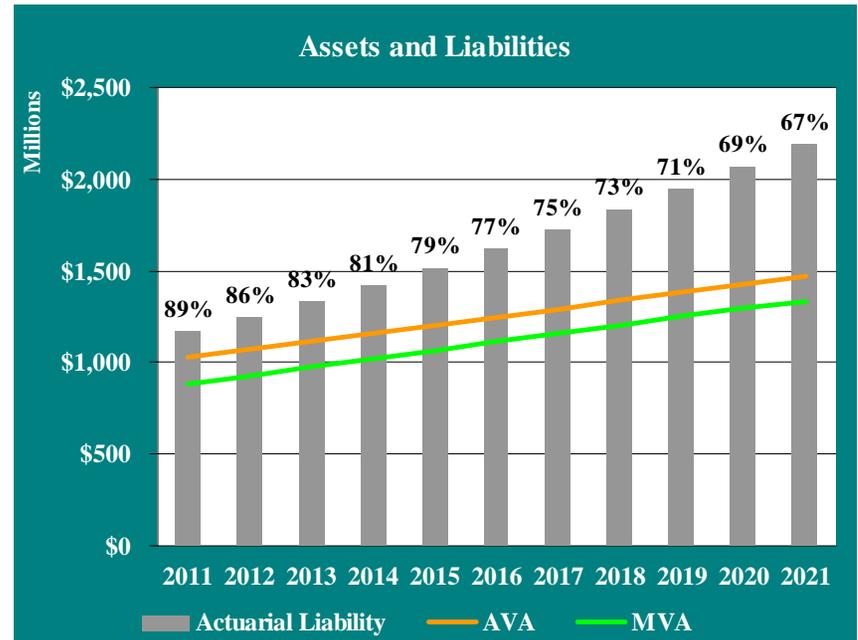
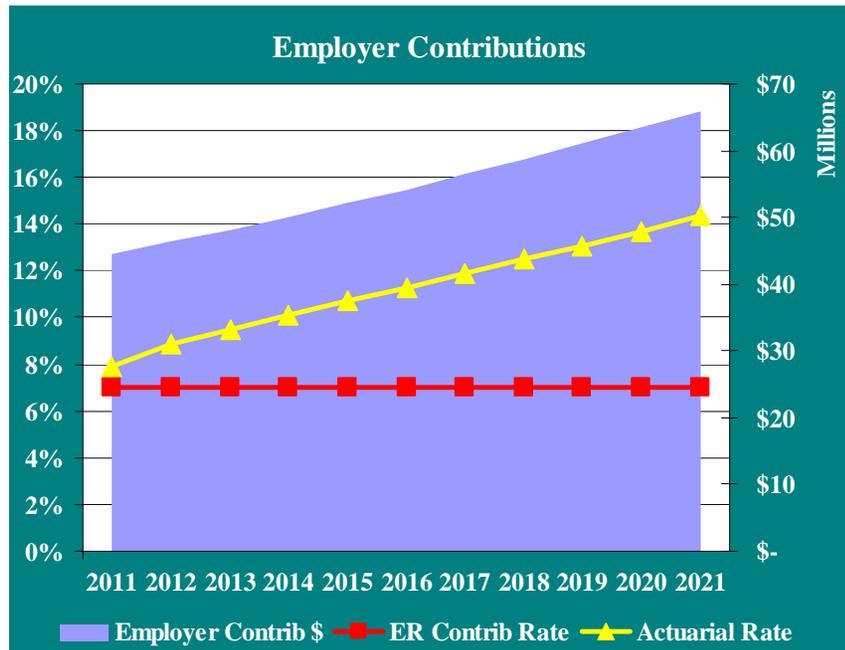
**UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011**

**SECTION I  
SUMMARY**

Projections with Asset Returns of 6%

The next two charts show what the coming decade would look like with a 6% annual return. Under this scenario, the current funding rate does not remain sufficient through the end of the decade.

The Plan's funded status, with these investment returns, is projected to steadily drop from the current 89% down to around 67% unless contributions are increased.



UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

**SECTION I  
SUMMARY**

| <b>Report of the Actuary on the Valuation<br/>of the United States Army Nonappropriated Fund Employee Retirement Plan<br/>as of October 1, 2011</b> |                 |                 |              |
|---|-----------------|-----------------|--------------|
| <b>Summary of Principal Results<br/>(\$ in millions)</b>  |                 |                 |              |
| <b><u>Participant Data</u></b>  |                 |                 |              |
|   | October 1, 2011 | October 1, 2010 | % Change     |
| Retired Members and Beneficiaries*  | 6,751           | 6,111           | 10.5%        |
| Vested Deferred Members   | 1,759           | 1,198           | 46.8%        |
| Participants Due Account Balance  | 17,926          | 19,206          | -6.7%        |
| Active Members  | <u>18,077</u>   | <u>19,445</u>   | <u>-7.0%</u> |
| Total Participants  | 44,513          | 45,960          | -3.1%        |
| Annual Salaries of Active Members   | \$ 635.8        | \$ 651.6        | -2.4%        |
| Annual Retirement Allowances for Retired Members and Beneficiaries  | \$ 50.3         | \$ 44.1         | 14.1%        |
| <b><u>Assets and Liabilities</u></b>  |                 |                 |              |
| Present Value of Future Benefits  | \$ 1,695.8      | \$ 1,619.0      | 4.7%         |
| Actuarial Liability   | \$ 1,164.7      | \$ 1,082.4      | 7.6%         |
| Actuarial Present Value of Accumulated Plan Benefits  | \$ 1,027.4      | \$ 947.2        | 8.5%         |
| Assets for Valuation Purposes   | \$ 1,032.9      | \$ 977.6        | 5.7%         |
| Unfunded Actuarial Liability  | \$ 131.8        | \$ 104.8        | -25.8%       |
| <b><u>Contribution Results</u></b>  |                 |                 |              |
| Total Annual Normal Cost with Expenses  | \$ 52.1         | \$ 52.7         | -1.1%        |
| Expected Employee Contributions   | \$ (12.7)       | \$ (13.0)       | -2.3%        |
| UAL Amortization  | \$ 14.3         | \$ 11.3         | 26.5%        |
| Interest  | <u>\$ 2.6</u>   | <u>\$ 2.5</u>   | 4.0%         |
| Net Employer Contribution   | \$ 56.3         | \$ 53.5         | 5.2%         |
| As a % of Payroll   | 8.85%           | 8.21%           | 0.6%         |

\* Includes 94 participants receiving benefits from Ameritas Financial Corporation as of 10/1/2010 and 85 as of 10/1/2011. Cost of living increases granted after 1980 for these 85 participants total \$212,050 with an actuarial liability of \$1,004,059. The actuarial liability for these increases is included above.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

SECTION II  
STATUTORY VALUATION EXHIBITS

**EXHIBIT II-1**  
**DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS**

|  |                  |
|--|------------------|
| 1. Actuarial Value of Assets as of October 1, 2010   | \$ 977,551,689   |
| 2. Amount in (1) with interest to September 30, 2011   | \$ 1,055,755,824 |
| 3. Employer and Employee Contributions for Plan Year ended September 30, 2011                            | \$ 64,449,655    |
| 4. Interest on Contributions assuming payments made uniformly throughout the year to September 30, 2011  | \$ 2,528,391     |
| 5. Disbursements from Trust except investment expenses, October 1, 2010 through September 30, 2011       | \$ 50,505,709    |
| 6. Interest on disbursements to September 30, 2011 at 8.00% per year                                     | \$ 1,981,363     |
| 7. Expected Actuarial Value of Assets as of September 30, 2011 = (2) + (3) + (4) - (5) - (6)             | \$ 1,070,246,798 |
| 8. Actual Market Value of Assets at September 30, 2011   | \$ 883,523,696   |
| 9. Excess of (8) over (7)  | \$ (186,723,102) |
| 10. Pro-forma Actuarial Value of Assets at September 30, 2011 = (7) + 20% of (9)                         | \$ 1,032,902,178 |
| 11. Maximum value = 1.20 x (8)   | \$ 1,060,228,435 |
| 12. Minimum value = 0.80 x (8)   | \$ 706,818,957   |
| 13. Actuarial Value of Assets as of September 30, 2011 = (10), but not more than (11) nor less than (12) | \$ 1,032,902,178 |

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

**SECTION II  
STATUTORY VALUATION EXHIBITS**

| <b>EXHIBIT II-2<br/>REGULAR EMPLOYER CONTRIBUTION</b> |  |                  |
|---|--|------------------|
| 1.  | Actuarial accrued liability  | \$ 1,164,701,004 |
| 2.  | Actuarial value of assets  | 1,032,902,178    |
| 3.  | Unfunded actuarial accrued liability (surplus)                         | \$ 131,798,826   |
| 4.  | Total annual normal cost plus expenses                                 | 52,097,407       |
| 5.  | 15-year amortization of unfunded actuarial accrued liability (surplus) | 14,257,404       |
| 6.  | Estimated employee contribution  | 12,715,463       |
| 7.  | Interest on (4) and (5) for half year *                                | <u>2,603,131</u> |
| 8.  | Net employer contribution: (4) + (5) - (6) + (7)                       | \$ 56,242,479    |
| 9.  | Valuation Earnings   | \$ 635,773,151   |
| 10.   | Employer contribution as a percentage of valuation earnings: (8) / (9) | 8.85%            |

\* Contributions are assumed to be made uniformly throughout the year.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

SECTION II  
STATUTORY VALUATION EXHIBITS

**EXHIBIT II-3  
TEN YEAR PROJECTION OF RETIREES**

**Future Retirees**

| <b>Plan Year Ending<br/>9/30</b> | <b>Current<br/>Retirees*</b> | <b>From<br/>Deferreds</b> | <b>From<br/>Actives</b> | <b>Total<br/>Retirees</b> | <b>Annual<br/>Benefits*</b> |
|----------------------------------|------------------------------|---------------------------|-------------------------|---------------------------|-----------------------------|
| 2012                             | 6,573                        | 209                       | 901                     | 7,683                     | \$ 61,201,844               |
| 2013                             | 6,384                        | 238                       | 1,463                   | 8,085                     | \$ 65,523,681               |
| 2014                             | 6,190                        | 281                       | 2,008                   | 8,479                     | \$ 70,084,857               |
| 2015                             | 5,991                        | 326                       | 2,534                   | 8,851                     | \$ 74,877,918               |
| 2016                             | 5,787                        | 365                       | 3,104                   | 9,256                     | \$ 80,326,820               |
| 2017                             | 5,578                        | 412                       | 3,621                   | 9,611                     | \$ 86,102,079               |
| 2018                             | 5,365                        | 458                       | 4,027                   | 9,850                     | \$ 92,278,225               |
| 2019                             | 5,149                        | 510                       | 4,398                   | 10,057                    | \$ 98,944,294               |
| 2020                             | 4,929                        | 566                       | 4,716                   | 10,211                    | \$ 106,037,558              |
| 2021                             | 4,707                        | 609                       | 4,982                   | 10,298                    | \$ 113,366,911              |

\* Includes number of participants and their cost of living benefits to be paid from Ameritas Financial Corporation

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

**SECTION II**  
**STATUTORY VALUATION EXHIBITS**

| <b>EXHIBIT II-4</b>                                 |   |                |
|---|---|----------------|
| <b>SUMMARY OF CENSUS DATA AS OF OCTOBER 1, 2011</b> |   |                |
| <b>A. ACTIVE PARTICIPANTS</b>                       |   |                |
| 1.  | Number  | 18,077         |
| 2.  | Total Annual Valuation Payroll (as reported)  | \$ 635,773,151 |
| 3.  | Average Age   | 43.2           |
| 4.  | Average Credited Service  | 6.4            |
| 5.  | Average Annual Pay  | \$ 35,170      |
| 6.  | Average Accumulated Employee Contributions with Interest                            | \$ 5,604       |
| <b>B. INACTIVE PARTICIPANTS</b>                     |   |                |
| 1.  | Terminated Vested Participants:   |                |
| a.  | Number  | 1,759          |
| b.  | Total monthly benefit   | \$ 487,531     |
| c.  | Average monthly benefit   | \$ 277         |
| 2.  | Currently Retired Participants, Disableds and Beneficiaries:                        |                |
| a.  | Number  | 6,666          |
| b.  | Total monthly benefit   | \$ 4,174,721   |
| c.  | Average monthly benefit   | \$ 626         |
| 3.  | Participants receiving cost-of-living benefits from Ameritas Financial Corporation: |                |
| a.  | Number  | 85             |
| b.  | Total monthly benefit   | \$ 17,671      |
| c.  | Average monthly benefit   | \$ 208         |
| 4.  | Participants due an account balance   |                |
| a.  | Number  | 17,926         |
| b.  | Balance   | \$ 7,534,902   |

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

SECTION III  
ANNUAL REPORT PRESCRIBED BY P.L. 95-595

Report for Plan Year Ending  
September 30, 2011

Exhibit III-1

General Information Sheet

1. Name of Plan: U.S. Army Nonappropriated Fund Employee Retirement Plan
2. Name and address of plan sponsor:  
  
U.S. Army Community and Family Support Center  
NAF Employee Benefits Office  
P.O. Box 340309  
Fort Sam Houston, Texas 78234
3. Name and phone number of plan administrator (or other responsible plan official):  
  
Robert Ramsey, Sr.  
Chief, NAF Employee Benefits Office  
(210) 466-1620
4. Type of plan entity: Single employer plan
5. Date plan established: January 1, 1966
6. Information on plan participants at beginning of plan year:

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
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**SECTION III**  
**ANNUAL REPORT PRESCRIBED BY P.L. 95-595**

Participant data was collected as of October 1, 2011

|   |               |
|---|---------------|
| Active participants                               | 18,077        |
| Separated employees entitled to deferred benefits | 1,759         |
| Retired, disabled and beneficiaries               | 6,751         |
| Former participants due an account balance        | <u>17,926</u> |
| Total Participants                                | 44,513        |

7. Type of plan: Defined benefit pension plan
8. Administrative cost: See Note 4.
9. During the current plan year, the Plan was not merged into nor consolidated with another plan nor were assets or liabilities transferred to another plan.
10. The Plan is funded through BGI U.S. Debt, John Hancock Mutual Life Insurance Co., Janus Midcap, Brinson Partners, Inc., SSGA International Alpha, Ameritas (Former Bankers Life of Nebraska), GMG Seneca, Wells Capital Management Small Cap, RREEF America REIT II, UBS - RESA, Artisan International Value, Dodge & Cox International Stock Fund, NYLIM – Large Cap Enhanced Index, T. Rowe Price Large Cap Enhanced, Capital International EMGF and U.S. Army N.A.F. Retirement Trust.
11. The October 1, 2011 valuation was performed based on active, retiree and vested terminated data provided to us as of October 1, 2011.
12. The projected unit credit actuarial cost method was used in completing Tables 1 and 2. A summary of the actuarial methods is attached.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

SECTION III  
ANNUAL REPORT PRESCRIBED BY P.L. 95-595

13. Actuarial assumptions:

1. Economic:

(1) Rate of return on plan investments: 8.0% per annum.

(2) Ratio of salary expected at normal retirement age (62) to salary at:

|        | <u>Men</u> | <u>Women</u> |
|--------|------------|--------------|
| Age 25 | 7.90       | 7.90         |
| Age 40 | 4.37       | 4.37         |
| Age 55 | 2.00       | 2.00         |

(3) Inflation Rate (in relation to plan provisions for post-retirement benefit adjustments): 3.5% per annum.

2. Decrements:

(1) Basis of mortality assumptions:

Published table: RP-2000 Employee Mortality projected with Scale AA to 2005

Past experience has shown mortality assumptions to be more conservative than actual experience. Therefore, it is not necessary to project mortality improvement at this time.

(2) (a) Normal retirement age: 62 and 5 years of service

(b) Lowest age at which employee may voluntarily retire with full benefits: age 55 with 30 years of service

(3) Basis of withdrawal assumptions:

Table based on heavy turnover adjusted to reflect Plan's experience.

A summary of the assumptions and changes made since the prior report is attached.

14. A summary of the Plan provisions and changes made since the prior report is attached.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

SECTION III  
ANNUAL REPORT PRESCRIBED BY P.L. 95-595

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I declare that I have examined this report, including accompanying tables and statements, and to the best of my knowledge and belief it is true, correct and complete.

Signature of Plan Administrator:

\_\_\_\_\_  
Robert Ramsey, Sr.  
Chief, NAF Employee Benefits Office

Date:

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UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2011

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Exhibit III-2

Statement of Enrolled Actuary

This report has been prepared pursuant to P.L. 95-595 for the year ending September 30, 2011. To the best of my knowledge, the report is complete and accurate. It should be noted, however, that the asset information shown has not been audited by Cheiron, Inc. In addition, the liabilities shown in this report are from the United States Army Nonappropriated Retirement Plan Valuation Report as of October 1, 2011 as prepared by Cheiron, Inc. In my opinion, the actuarial assumptions appear to be in the aggregate reasonable related to the experience of the Plan and to reasonable expectations, and represent my best estimate of anticipated experience under the Plan.

Signature:



Kevin Woodrich  
Enrolled Actuary  
#11-7086  
Cheiron, Inc.  
9115 Harris Corners Parkway, Suite 380  
Charlotte, NC 28269

Date:

May 29, 2012

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
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| <b>EXHIBIT III-3</b>  |                    |                    |
|---|--------------------|--------------------|
| <b>UNITED STATES ARMY NONAPPROPRIATED FUND</b>                      |                    |                    |
| <b>EMPLOYEE RETIREMENT PLAN</b>                                     |                    |                    |
| <b>STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS</b>               |                    |                    |
|   | September 30, 2011 | September 30, 2010 |
| <b><u>Assets</u></b>  |                    |                    |
| Investments, at fair value  |                    |                    |
| Deposit administration contracts, at contract value (Notes 1 and 2) |                    |                    |
| John Hancock Mutual Life Insurance Co.                              | \$ 34,794,606      | \$ 27,213,151      |
| Ameritas (Bankers of Life of Nebraska)                              | 124,840            | 144,188            |
| BGI U.S. Debt   | 40,292,519         | 74,559,138         |
| Janus Midcap  | 44,580,858         | 43,095,289         |
| Brinson Partners, Inc.  | 83,606,084         | 66,782,806         |
| SSGA International Alpha  | 67,261,989         | 65,705,851         |
| Wells Capital Management Small Cap                                  | 43,293,230         | 46,830,261         |
| GMG Seneca  | 42,034,138         | 82,265,405         |
| U.S. Army N.A.F. Retirement Trust (SSGA STIF)                       | 88,314,661         | 7,300,361          |
| RREEF America REIT II   | 31,219,678         | 28,862,888         |
| Artisan International Value   | 48,633,017         | 43,075,712         |
| Dodge & Cox Intl. Stock Fund  | 43,744,328         | 40,410,623         |
| NYLIM - Large Cap Enhanced Index                                    | 116,275,403        | 136,653,189        |
| T. Row Price Lg Cap Enhanced  | 115,974,958        | 145,441,054        |
| Cash Overlay  | 0                  | 71                 |
| Capital International EMGF  | 31,302,521         | 0                  |
| UBS - RESA  | 38,586,770         | 35,131,425         |
| Total Investments   | \$ 870,039,600     | \$ 843,471,412     |
| Receivables   |                    |                    |
| Employer and employee contributions                                 | \$ 2,060,000       | \$ 3,497,446       |
| Interest Receivable   | 7,736              | 3,202              |
| Accounts Receivable   | 1,448,562          | 912,934            |
| Total   | \$ 3,516,298       | \$ 4,413,582       |
| Cash on deposit with U.S. Army Banking and Investment Fund (Note 3) | \$ 12,568,089      | \$ 5,632,540       |
| Total Assets  | \$ 886,123,987     | \$ 853,517,534     |
| <b><u>Liabilities</u></b>   |                    |                    |
| Accounts payable and accrued liabilities                            | 2,600,291          | 1,810,175          |
| Net Assets Available for Benefits                                   | \$ 883,523,696     | \$ 851,707,359     |

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
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| <b>EXHIBIT III-4</b>  |                    |                    |
|---|--------------------|--------------------|
| <b>UNITED STATES ARMY NONAPPROPRIATED FUND<br/>EMPLOYEE RETIREMENT PLAN</b> |                    |                    |
| <b>STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS</b>            |                    |                    |
|   | September 30, 2011 | September 30, 2010 |
| 1. Net assets available for benefits at beginning of plan year *            | \$ 851,707,359     | \$ 771,770,598     |
| 2. Investment Income:   |                    |                    |
| (a) Net appreciation (depreciation) in fair value of investments            | \$ (784,643)       | \$ 55,845,892      |
| (b) Interest  | 14,518,544         | 12,773,628         |
| (c) Other income  | 7,162,834          | 2,543,830          |
| (d) Less: Investment expenses   | 3,024,344          | 3,455,031          |
| (e) Total   | \$ 17,872,391      | \$ 67,708,319      |
| 3. Contributions: (Note 5)  |                    |                    |
| (a) Employer  | \$ 41,031,013      | \$ 40,774,538      |
| (b) Employee  | 23,418,642         | 18,376,050         |
| (c) Total   | \$ 64,449,655      | \$ 59,150,588      |
| 4. Total additions (2) + (3)  | \$ 82,322,046      | \$ 126,858,907     |
| 5. Benefits paid directly to participants                                   |                    |                    |
| (a) Refunds   | \$ 1,673,984       | \$ 1,810,969       |
| (b) Annuities   | 46,129,663         | 43,514,028         |
| (c) Total   | \$ 47,803,647      | \$ 45,324,997      |
| 6. Administrative Expenses (Note 4)   | \$ 2,702,062       | \$ 1,597,149       |
| 7. Total deductions (5) + (6)   | \$ 50,505,709      | \$ 46,922,146      |
| 8. Net additions (deductions): (4) - (7)                                    | \$ 31,816,337      | \$ 79,936,761      |
| 9. Net assets available for benefits at end of plan year: (1) + (8)         | \$ 883,523,696     | \$ 851,707,359     |

\* Restated value as of September 30, 2009 shown.

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| <b>EXHIBIT III-5</b>  |                    |                    |
|---|--------------------|--------------------|
| <b>UNITED STATES ARMY NONAPPROPRIATED FUND<br/>EMPLOYEE RETIREMENT PLAN</b> |                    |                    |
| <b>STATEMENT OF ACCUMULATED PLAN BENEFITS</b>                               |                    |                    |
|   | September 30, 2011 | September 30, 2010 |
| <u>Actuarial Present Value of Accumulated Plan Benefits</u>                 |                    |                    |
| Vested Benefits   |                    |                    |
| Participants currently receiving payment*                                   | \$ 537,810,310     | \$ 463,996,027     |
| Other participants  | <u>439,548,826</u> | <u>431,705,907</u> |
| Total   | \$ 977,359,136     | \$ 895,701,934     |
| Nonvested Benefits  | \$ 50,087,508      | \$ 51,503,851      |
| Total actuarial present value of accumulated plan benefits                  | \$ 1,027,446,644   | \$ 947,205,785     |
| Interest Rate Used  | 8.0%               | 8.0%               |

\* Includes remaining liability under the plan for participants receiving benefits from Ameritas Financial Corporation.

NOTE: The employees' accumulated contributions with interest were \$98,914,421 and \$101,308,971 as of September 30, 2010 and September 30, 2011 respectively.

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| <b>EXHIBIT III-6</b>  |                     |                     |
|---|---------------------|---------------------|
| <b>UNITED STATES ARMY NONAPPROPRIATED FUND</b>                                    |                     |                     |
| <b>EMPLOYEE RETIREMENT PLAN</b>   |                     |                     |
| <b>STATEMENT OF CHANGES IN ACTUARIAL PRESENT</b>                                  |                     |                     |
| <b>VALUE OF ACCUMULATED PLAN BENEFITS</b>   |                     |                     |
|   | September 30, 2011  | September 30, 2010  |
| 1. Actuarial present value of accumulated plan benefits at beginning of plan year | \$ 947,205,785      | \$ 883,025,640      |
| 2. Increase (decrease) during the year attributable to:                           |                     |                     |
| (a) Benefits accumulated and actuarial (gain) or loss                             | \$ 54,143,403       | \$ 40,641,212       |
| (b) Interest due to decrease in discount period                                   | 73,901,103          | 68,863,930          |
| (c) Plan amendment(s)   | 0                   | 0                   |
| (d) Changes in actuarial assumptions  | 0                   | 0                   |
| (e) Benefit Payments  | <u>(47,803,647)</u> | <u>(45,324,997)</u> |
| 3. Net increase (decrease):   | \$ 80,240,859       | \$ 64,180,145       |
| 4. Actuarial present value of accumulated plan benefits at end of plan year       | \$ 1,027,446,644    | \$ 947,205,785      |

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
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| <b>EXHIBIT III-7</b>  |                      |                      |
|---|----------------------|----------------------|
| <b>TABLE 1</b>  |                      |                      |
| <b>UNITED STATES ARMY NONAPPROPRIATED FUND</b>  |                      |                      |
| <b>EMPLOYEE RETIREMENT PLAN</b>   |                      |                      |
| <b><u>ACTUARIAL STATUS INFORMATION</u></b>  |                      |                      |
|   | October 1, 2011      | October 1, 2010      |
| 1. Present value of future benefits:  |                      |                      |
| (a) Annuitants now on roll*   | \$ 537,810,310       | \$ 463,996,027       |
| (b) Separated employees   | 33,762,749           | 33,031,920           |
| (c) Participants due an account balance   | 7,534,902            | 9,011,455            |
| (d) Active participants   | <u>1,116,732,013</u> | <u>1,112,973,392</u> |
| (e) Total   | \$ 1,695,839,973     | \$ 1,619,012,794     |
| 2. Less: Present value of future normal cost contributions  | <u>531,138,970</u>   | <u>536,647,986</u>   |
| 3. Actuarial accrued liability [1(e) - 2]   | 1,164,701,004        | 1,082,364,808        |
| 4. Less: Actuarial value of assets in fund  | <u>1,032,902,178</u> | <u>977,551,689</u>   |
| 5. Unfunded / (surplus) actuarial accrued liability [(3) - (4)]   | \$ 131,798,826       | \$ 104,813,119       |
| 6. Normal cost as a percentage of covered payroll (mid-year)  |                      |                      |
| (a) Employee  | 2.00%                | 2.00%                |
| (b) Employer  | <u>6.52%</u>         | <u>6.40%</u>         |
| (c) Total   | 8.52%                | 8.40%                |
| 7. Ratio of actuarial value of assets in fund to present value of future benefits<br>for annuitants now on roll |                      |                      |
| (a) Line 1(a) plus accumulated employee contributions   | \$ 639,119,281       | \$ 562,910,448       |
| (b) Assets divided by (a)   | 1.62                 | 1.74                 |
| (c) Ratio in (b) last year  | 1.74                 | 1.75                 |
| (d) Ratio in (b) two years ago  | 1.75                 | 1.89                 |

\* Includes remaining liability under the plan for participants receiving benefits from Ameritas Financial Corporation.

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**EXHIBIT III-8**

**Table 2**

**UNITED STATES ARMY NONAPPROPRIATED FUND  
EMPLOYEE RETIREMENT PLAN**

**COMPARISON OF ACTUARIAL FUNDING WITH ACTUAL CONTRIBUTIONS**

(in dollars)

| (1)          | (2)                      | (3)   | (4)                              | (5)   | (6)                                   | (7)                           |
|--------------|--------------------------|---|----------------------------------|---|---------------------------------------|-------------------------------|
| Plan<br>Year | Total<br>Normal<br>Cost* | 40-Year<br>Amortization of<br>Unfunded<br>Liability | Total<br>(Col. 2 plus<br>Col. 3) | Actual<br>Contributions<br>To Plan<br>From All<br>Sources | Difference<br>(Col. 5 less<br>Col. 4) | Col. 5<br>divided by<br>Col.4 |
| 2011-12      | \$ 54,141,214            | \$ 10,635,437                                       | \$ 64,776,651                    | \$ --   | \$ --                                 | -                             |
| 2010-11      | 54,736,827               | 8,457,840   | 63,194,667                       | 64,449,655  | 1,254,988                             | 1.02                          |
| 2009-10      | 50,902,344               | 6,495,113   | 57,397,458                       | 59,150,588  | 1,753,130                             | 1.03                          |
| 2008-09      | 45,326,221               | 1,789,591   | 47,115,812                       | 53,667,209  | 6,551,397                             | 1.14                          |
| 2007-08      | 40,733,684               | (2,030,452)   | 38,703,232                       | 47,032,806  | 8,329,574                             | 1.22                          |
| 2006-07      | 38,457,296               | (711,664)   | 37,745,632                       | 41,621,364  | 3,875,732                             | 1.10                          |
| 2005-06      | 35,387,224               | (100,202)   | 35,287,022                       | 39,596,220  | 4,309,197                             | 1.12                          |
| 2004-05      | 31,724,981               | 1,209,066   | 32,934,047                       | 35,435,693  | 2,501,646                             | 1.08                          |
| 2003-04      | 27,016,602               | (752,297)   | 26,264,305                       | 30,115,404  | 3,851,099                             | 1.15                          |
| 2002-03      | 20,651,255               | (971,529)   | 19,679,726                       | 24,486,375  | 4,806,649                             | 1.24                          |
| 2001-02      | 19,120,495               | (3,961,885)   | 15,158,610                       | 22,674,448  | 7,515,838                             | 1.50                          |
| 2000-01      | 17,889,965               | (6,198,677)   | 11,691,288                       | 19,171,038  | 7,479,750                             | 1.64                          |
| 1999-00      | 17,747,969               | (3,094,083)   | 14,653,886                       | 17,114,504  | 2,460,618                             | 1.17                          |
| 1998-99      | 17,334,358               | (2,096,155)   | 15,238,203                       | 15,782,816  | 544,613                               | 1.04                          |
| 1997-98      | 15,097,748               | (4,337,203)   | 10,760,545                       | 16,379,544  | 5,618,999                             | 1.52                          |

\* Amounts as of mid-year. Beginning in 2005, \$1.4 mil added as admin expense assumption.

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**EXHIBIT III-8 cont.**

**Table 2a**

**UNITED STATES ARMY NONAPPROPRIATED FUND  
EMPLOYEE RETIREMENT PLAN**

**COMPARISON OF ACTUARIAL FUNDING WITH ACTUAL CONTRIBUTIONS**  
**(as percentage of estimated payroll for the year)**

| (1)          | (2)                      | (3)   | (4)                              | (5)   | (6)                                   |
|--------------|--------------------------|---|----------------------------------|---|---------------------------------------|
| Plan<br>Year | Total<br>Normal<br>Cost* | 40-Year<br>Amortization of<br>Unfunded<br>Liability | Total<br>(Col. 2 plus<br>Col. 3) | Actual<br>Contributions<br>To Plan<br>From All<br>Sources | Difference<br>(Col. 5 less<br>Col. 4) |
| 2011-12      | 8.52%                    | 1.67%   | 10.19%                           |   |                                       |
| 2010-11      | 8.40                     | 1.30  | 9.70                             | 9.89  | 0.19                                  |
| 2009-10      | 8.42                     | 1.07  | 9.49                             | 9.78  | 0.29                                  |
| 2008-09      | 8.47                     | 0.33  | 8.80                             | 10.03   | 1.23                                  |
| 2007-08      | 8.60                     | (0.43)  | 8.17                             | 9.93  | 1.76                                  |
| 2006-07      | 8.46                     | (0.16)  | 8.30                             | 9.16  | 0.86                                  |
| 2005-06      | 8.52                     | (0.02)  | 8.50                             | 9.54  | 1.04                                  |
| 2004-05      | 8.26                     | 0.31  | 8.57                             | 9.23  | 0.66                                  |
| 2003-04      | 8.37                     | (0.23)  | 8.14                             | 9.33  | 1.19                                  |
| 2002-03      | 7.58                     | (0.36)  | 7.22                             | 8.99  | 1.77                                  |
| 2001-02      | 8.04                     | (1.67)  | 6.37                             | 9.53  | 3.16                                  |
| 2000-01      | 8.42                     | (2.92)  | 5.50                             | 9.02  | 3.52                                  |
| 1999-00      | 8.73                     | (1.52)  | 7.20                             | 8.41  | 1.21                                  |
| 1998-99      | 9.06                     | (1.10)  | 7.96                             | 8.25  | 0.29                                  |
| 1997-98      | 8.52                     | (2.45)  | 6.07                             | 9.24  | 3.17                                  |

\* Amounts as of mid-year. Beginning in 2005, \$1.4 mil added as admin expense assumption.

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Exhibit III-8 (continued)

Table 3-3a

**Past and Projected Flow of Plan Assets**

These tables are not required for the United States Army Nonappropriated Fund Employee Retirement Plan since the Plan covers fewer than 50,000 participants.

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Exhibit III-9

**NOTE 1 – VALUATION OF INVESTMENTS**

Investments are stated at market value. The Plan's deposits with insurance carriers are valued at contract value. Contract value represents contributions made under the contract, plus interest income, plus realized security gains net of losses, plus unrealized security gains net of losses, less transfers of funds back to the U.S. Army Central Retirement Fund (ACRF), less funds used to meet ACRF obligations, less administrative expenses.

**NOTE 2 – CONTRACTS WITH INSURANCE COMPANIES AND INVESTMENT MANAGEMENT AGREEMENT**

The Plan has deposit administration contracts with two insurance companies as described below:

(a) *John Hancock Mutual Life Insurance Company*

The John Hancock Mutual Life Insurance Company (John Hancock) serves as the paying service for all participants receiving benefits since the termination agreement with Ameritas (formerly Bankers Life of Nebraska).

John Hancock also administered funds totaling \$34,794,606 under the following contract at September 30, 2011.

Type: General account (primarily long-term bonds)

Yield: Based upon overall fund performance

Term: Cancelable at any time

Amount: \$34,794,606 at September 30, 2011.

(b) *Ameritas (Formerly Bankers Life of Nebraska)*

On March 1, 1983, the Plan terminated its deposit administration contract with Ameritas. Under the terms of the termination agreement Ameritas paid the Plan \$5,179,098 on September 1, 1987.

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The Plan's only future obligation with respect to Ameritas is to pay the annual cost of living adjustments for the retirees for whom annuity contracts were purchased in 1983 when the agreement with Ameritas was terminated. The amount held on deposit with Ameritas at September 30, 2011 was \$ 124,840 .

*Investment Management Agreement*

The Plan also has investment management agreements with various companies. The agreements provide that the companies have sole responsibility for investing the funds under their management within certain pre-described guidelines, and that earnings on the funds are based solely on the performance of the investments with a performance goal expressed as a total rate of return as defined in the agreement. The fair value of investments under management agreements at September 30, 2011 was:

|   |               |
|---|---------------|
| BGI U.S. Debt                           | \$ 40,292,519 |
| Janus Midcap                            | 44,580,858    |
| Brinson Partners, Inc.                  | 83,606,084    |
| SSGA International Alpha                | 67,261,989    |
| Wells Capital Management Small Cap Fund | 43,293,230    |
| GMG Seneca                              | 42,034,138    |
| RREEF America REIT II                   | 31,219,678    |
| UBS – RESA                              | 38,586,770    |
| U.S. Army NAF Retirement Trust          | 88,314,661    |
| Artisan International Value             | 48,633,017    |
| Dodge & Cox Intl. Stock Fund            | 43,744,328    |
| NYLIM - Large Cap Enhanced Index        | 116,275,403   |
| T. Row Price Lg Cap Enhanced            | 115,974,958   |
| Capital International EMGF              | 31,302,521    |

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**NOTE 3 – CASH WITH ARMY BANKING AND INVESTMENT FUND**

The Plan had \$12,568,089 invested in the United States Army Banking and Investment Fund (ABIF) at September 30, 2011. The ABIF acts as a pooling agent for all Army Nonappropriated activities and invests principally in U.S. Treasury securities, U.S. government agency securities, and certificates of deposit. The rate of interest paid to depositors is determined periodically by ABIF management.

**NOTE 4 – RELATED PARTY TRANSACTION**

Appropriated funds of the United States Army provide certain general administrative support, including office space, communication and certain supplies to the U.S. Army Command which administers the Plan. The value of some of these contributed services and supplies is not currently available and thus is not reflected in the accompanying financial statements.

The Plan, the United States Army Medical/Life Fund (AMLF), and the 401(k) plan share common offices and administrative personnel. Common expenses are paid by the Plan and the AMLF and 401(k) plan allocated portions are reimbursed to the Plan. The balance due to the Retirement Plan as of September 30, 2011 for expenses allocated to the Army Medical/Life Fund and the 401(k) Saving Plan is \$1,094,657 and \$274,975, respectively.

The NAF Financial Services deducted employer and employee contributions from the various payroll cycles and remitted the funds to the Plan at a cost of \$1,270 in the year ended September 30, 2011. The United States Army Morale Welfare and Recreation Fund charged the ACRF \$226,365 for certain allocated administrative expenses in the year ended September 30, 2011.

**NOTE 5 – CONTRIBUTIONS**

As a condition of participation, employees are required to contribute 2% of their salary to the Plan. Prior to January 1, 1991, employees were required to contribute 3% of their salary.

Effective January 1, 2001, new hires, re-hires, and newly eligibles may elect to stop contributing to the Plan after six months. The employee's past contribution will be refunded upon termination only if the employee elects a refund in lieu of future retirement benefits when vested.

Although they have not expressed any intention to do so, the United States Army Nonappropriated Fund has the right under the Plan to discontinue their contributions at any time and to terminate the Plan.

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Summary of Methods and Assumptions as of October 1, 2011

A. Actuarial Methods

Exhibit III-10

1. Calculation of Normal Cost and Actuarial Accrued Liability: The actuarial method used to determine the normal cost and actuarial accrued liability was the projected unit credit actuarial cost method described below.

Projected Unit Credit Actuarial Cost Method

The objective under this method is to allocate the total pension benefit to which each participant is expected to become entitled at retirement to the participant's past and future service. The allocation is accomplished by applying the Plan's accrual formula to projected final salary at retirement.

An Actuarial Liability is calculated at the valuation date as the present value of benefits allocated to service prior to that date.

The Unfunded Actuarial Liability at the valuation date is the excess of the Actuarial Liability over the assets of the Plan.

The Normal Cost is the present value of those benefits which are expected to be allocated to service during the year beginning on the valuation date.

**Under this method, differences between the actual experience and that assumed in the determination of costs and liabilities will emerge as adjustments in the Unfunded Liability, subject to amortization.**

2. Calculation of Actuarial Value of Assets: Market value of assets is the amount certified by outside auditors as available net assets. This includes funds on deposit with insurance companies, funds on deposit with the U.S. Army Banking and Investment Fund, cash and accrued items.

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As of October 1, 1997, the actuarial value of assets was set equal to the Market Value of Assets. For each subsequent year, the actuarial value of assets is calculated as follows:

- (b) The prior year's actuarial value of assets is
  - Increased by contributions, interest at the assumed rate of return on prior year's actuarial value of assets for a full year and interest at assumed rate of return on contributions for one-half year.
  - Decreased by benefit payments, expenses and other payments and interest at assumed rate of return on these payments for one-half year.
- (c) The amount from (a) above is the expected value.
- (d) 20% of the difference between market value and expected value is added to "expected" value.
- (e) The result from (c) is the actuarial value of assets adjusted, if necessary, to be not less than 20% below and not more than 20% above the market value of assets.

3. Calculation of the Actuarial Employer Contribution Rate: The method for determining the actuarial employer contribution rate is as follows:

- (a) The Normal Cost as described on the previous page plus assumed administrative expenses; *plus*
- (b) A level dollar amount such that the Unfunded Actuarial Liability would be paid off in 15 years; *less*
- (c) Estimated employee contributions of 2% of payroll

The amount calculated is adjusted with interest to the middle of the year and then divided by valuation earnings to convert to a percent of pay.

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Summary of Methods and Assumptions as of October 1, 2011

**B. Actuarial Assumptions**

Exhibit III-10 (continued)

1. Investment Return: 8.0%
2. Annual Rate of General Wage Increase: 4%
3. Annual Rate of Merit/Seniority Wage Increase  
(in addition to 2., applied multiplicatively):  
See Rates in Exhibit A
4. Social Security Wage Base Increase: 4%

5. Mortality:  
RP-2000 Employee Mortality projected with Scale AA to 2005 (Exhibit B).

Past experience has shown mortality assumptions to be more conservative than actual experience. Therefore, it is not necessary to project mortality improvement at this time.

6. Termination:  
Sample rates set forth in Exhibit A.
7. Disability:  
Rates from disability set forth in Exhibit C, combined with RP-2000 Disabled Retiree Employee Mortality projected with Scale AA to 2005 (Exhibit B).
8. Retirement Age:

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See Exhibit C.

9. Proportion of participants with eligible beneficiaries for survivor:  
88% of participants are assumed to be married with wives 3 years younger than their husbands.
10. Expenses:  
\$1,400,000
11. Noncontributing active participants:  
Nonvested participants are excluded from the valuation and are assumed to terminate employment 5 years from the date they ceased making contributions. Vested participants are assumed to remain in service but continue in a noncontributory status.
12. Covered payroll:  
Gross annual earnings for the prior plan year ending on the valuation date, increased by the salary assumption to reflect estimated payroll for the year following the valuation date.
13. Maximum benefit:  
The maximum benefit payable under IRC Section 415, effective at valuation date increased by 3.5% per year thereafter.
14. Maximum pensionable pay:  
IRC Section 401(a)(17) limit effective at valuation date increased 3.5% per year thereafter.
15. Post-retirement cost of living adjustments:  
3.5% per year.
16. Assumption for participants due an account balance:  
100% are assumed to still be due a refund of their account balances.
17. Changes since prior year:  
None.

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| <b>Exhibit A</b> |                                  |  |        |
|------------------|----------------------------------|--|--------|
| Service          | Merit/Seniority<br>Wage Increase | Termination                              |        |
|                  |                                  | Number of terminations per 1,000 members |        |
|                  |                                  | Male                                     | Female |
| 0                | 10.00%                           | 200.0                                    | 200.0  |
| 1                | 9.00%                            | 165.7                                    | 165.7  |
| 2                | 7.50%                            | 141.1                                    | 141.1  |
| 3                | 6.00%                            | 127.8                                    | 127.8  |
| 4                | 4.75%                            | 112.4                                    | 112.4  |
| 5                | 3.50%                            | 100.5                                    | 100.5  |
| 6                | 2.50%                            | 90.8                                     | 90.8   |
| 7                | 2.25%                            | 82.5                                     | 82.5   |
| 8                | 2.13%                            | 75.4                                     | 75.4   |
| 9                | 1.99%                            | 69.1                                     | 69.1   |
| 10               | 1.86%                            | 63.5                                     | 63.5   |
| 11               | 1.72%                            | 58.4                                     | 58.4   |
| 12               | 1.58%                            | 53.8                                     | 53.8   |
| 13               | 1.45%                            | 49.5                                     | 49.5   |
| 14               | 1.31%                            | 45.5                                     | 45.5   |
| 15               | 1.17%                            | 41.9                                     | 41.9   |
| 16               | 1.04%                            | 38.4                                     | 38.4   |
| 17               | 0.90%                            | 35.2                                     | 35.2   |
| 18               | 0.76%                            | 32.1                                     | 32.1   |
| 19               | 0.63%                            | 29.2                                     | 29.2   |
| 20               | 0.49%                            | 26.5                                     | 26.5   |
| 21               | 0.35%                            | 23.9                                     | 23.9   |
| 22               | 0.22%                            | 21.4                                     | 21.4   |
| 23               | 0.08%                            | 19.0                                     | 19.0   |
| 24               | 0.00%                            | 16.8                                     | 16.8   |
| 25+              | 0.00%                            | 10.0                                     | 10.0   |

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| <b>Exhibit B</b> |   |        |   |        |   |        |
|------------------|---|--------|---|--------|---|--------|
| Age              | <b>Pre Retirement RP 2000<br/>Employee Mortality<sup>1</sup></b><br>Number of deaths<br>per 1,000 members |        | <b>Disabled Annuitant RP 2000<br/>Disabled Mortality<sup>1</sup></b><br>Number of deaths<br>per 1,000 members |        | <b>Post Retirement RP 2000<br/>Healthy Annuitant<br/>Mortality<sup>1</sup></b><br>Number of deaths<br>per 1,000 members |        |
|                  | Male  | Female | Male  | Female | Male  | Female |
| 20               | 0.3   | 0.2    |   |        |   |        |
| 25               | 0.4   | 0.2    | 21.5  | 6.9    |   |        |
| 30               | 0.4   | 0.3    | 22.0  | 7.1    |   |        |
| 35               | 0.8   | 0.4    | 22.0  | 7.0    |   |        |
| 40               | 1.0   | 0.7    | 21.7  | 6.9    |   |        |
| 45               | 1.4   | 1.0    | 21.1  | 6.9    |   |        |
| 50               | 2.0   | 1.5    | 26.5  | 10.6   | 4.9   | 2.2    |
| 55               | 2.8   | 2.4    | 32.2  | 15.9   | 5.4   | 3.4    |
| 60               | 4.5   | 3.8    | 38.8  | 21.3   | 7.6   | 6.0    |
| 65               | 7.1   | 5.7    | 46.8  | 27.3   | 12.5  | 10.1   |
| 70               | 9.2   | 7.4    | 58.0  | 36.7   | 20.6  | 16.3   |
| 75               |   |        |   |        | 35.3  | 27.0   |
| 80               |   |        |   |        | 61.2  | 44.3   |

<sup>1</sup> All RP 2000 Mortality Tables shown above reflect the projection with Scale AA to 2005

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| <b>Exhibit C</b>                         |      |   |      |
|--|------|---|------|
| <b>Retirement Rates<sup>1</sup></b>      |      | <b>Disability</b>                           |      |
| Number of retirements<br>per 100 members |      | Number of Disablements<br>per 1,000 members |      |
| Age                                      | Rate | Age   | Rate |
| 50 – 54                                  | 5    | <30   | 0.28 |
| 55                                       | 10   | 35  | 0.33 |
| 56 - 59                                  | 5    | 40  | 0.75 |
| 60                                       | 10   | 45  | 1.60 |
| 61                                       | 5    | 50  | 2.78 |
| 62 - 64                                  | 25   | 55  | 4.75 |
| 65+                                      | 100  | 60  | 8.63 |
|  |      | 62+   | 0.00 |

<sup>1</sup> 100% retirement upon attaining age 55 with 30 years.

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SUMMARY OF PLAN PROVISION AS OF OCTOBER 1, 2011

Exhibit III-11

1. Effective Date of Plan: January 1, 1966. Most recent amendment effective January 1, 1997.
2. Employees Eligible for Participation: All employees of covered U.S. Army-NAF activities working at least 20 hours per week are eligible to become Participants on their date of employment. Effective January 1, 2001, new hires, re-hires, and newly eligibles are required to participate in the Plan for the first six months. Employee contributions are required for participation.
3. Definitions:
  - (a) Earnings: Gross annual compensation as reported on Form W-2, plus the Participant's pre-tax contributions to the Employer's 401(k) plan, capped by the \$245,000 limit as indexed under the Code. Locality pay is currently being phased in as pensionable earnings for participants working in Alaska, Hawaii, and Puerto Rico.
  - (b) Final Average Earnings: The average of the highest 36 consecutive months of Earnings.
  - (c) Credited Service: All service from date of employment to retirement, death or termination, except that service on and after April 1, 1981, is counted only if the employee makes contributions to the Plan.
  - (d) Covered Compensation: The amount specified in Table 1 of Attachment 1, as amended from time to time, of Internal Revenue Service Notice 89-70 for the Plan year in which the Participant attains his Social Security Retirement Age.
4. Retirement Dates:
  - (a) Normal Retirement Date: The first day of the month following the later of Participant's 62<sup>nd</sup> birthday and completion of 5 years of Credited Service.
  - (b) Early Retirement Date: A Participant may retire on the first day of a month before age 62 provided:
    - (i) he has attained age 55 and has completed 30 years of Credited Service, or
    - (ii) he has attained age 50 and has completed 20 years of Credited Service, or
    - (iii) he has attained age 52, and has completed 5 years of Credited Service, or
    - (iv) as of September 1, 1983, the sum of age plus years of Service equaled or exceeded 80.
    - (v) Attainment of age 50 and completion of 20 years of Credited Service on or after August 1, 1993 and prior to

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December 31, 1994, or on or after January 1, 1997, and is involuntarily separated from service or if the Employer shall have obtained a voluntary early retirement authority from the Assistant Secretary of the Army (Manpower and Reserve Affairs).

- (vi) Attainment of any age and completion of 25 years of Credited Service on or after August 1, 1993, and prior to December 31, 1994, or on or after January 1, 1997, and is involuntarily separated due to loss of position under a business-based action, per authority of the installation commander.

(c) Disability Retirement Date: A Participant who becomes permanently disabled and unable to perform his duties may retire, provided that he has attained age 52 or has completed 5 years of Credited Service.

(d) Deferred Retirement Date: A Participant may remain in employment beyond his Normal Retirement Date.

5. Pension Benefit at Normal Retirement:

(a) Participants Eligible: All Participants who retire on their Normal Retirement Date.

(b) Annual Benefit: The sum of (i), (ii), and (iii).

(i) 1.2% of Final Average Earnings plus .3% of Final Average Earnings in excess of Covered Compensation times Years of Credited Service not in excess of fifteen (15) years.

(ii) 1.6% of Final Average Earning plus 0.3% of Final Average Earnings in excess of Covered Compensation times Years of Credited Service in excess of fifteen (15) years up to thirty (30) years.

(iii) 1.6% of Final Average Earnings times Years of Credited Service in excess of thirty (30) years.

But not less than the Participant's accrued benefit as on June 30, 1990 under the prior formula.

6. Pension Benefit at Early Retirement:

(a) Participants Eligible: All Participants who retire on an Early Retirement Date.

(b) Annual Benefit: Calculated as in item (5) based on Final Average Earnings and Credited Service at the time of early retirement, reduced by 4% for each year that early retirement precedes Normal Retirement Date. For retirement after attainment of age 55 and completion of 30 years of Credited Service, or after attainment of age 60 and completion of 20 years of Credited Service, no reduction in benefit is applicable.

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- (c) A Participant who retires on an Early Retirement Date shall receive an annual early retirement supplement payable until the Participant attains his Normal Retirement Date, or dies, if earlier. The amount of the annual supplement shall be (i) \$192 or (ii) one half percent (0.5%) of the Participant's Final Average Earnings whichever is lesser, times Years of Credited Service up to twenty-five (25).
- (d) A Participant who retires on an Early Retirement Date as described in item 4(b)(v) or (iv) above shall receive a benefit calculated as in item (5) based on Final Average Earning and Credited Service at the time of early retirement, reduced by 2% for each year that early retirement precedes age 55.
7. Pension Benefit at Disability Retirement:
- (a) Participants Eligible: All Participants who retire on a Disability Retirement Date.
- (b) Annual Benefit: The sum of (i) and (ii)
- (i) 1.2% of Final Average Earnings times Years of Credited Service up to fifteen (15),
- (ii) 1.6% of Final Average Earnings time Years of Credited Service in excess of fifteen (15).
8. Pension Benefit at Deferred Retirement:
- (a) Participants Eligible: All Participants who retire on a Deferred Retirement Date.
- (b) Annual Benefit: Calculated as in item (5) based on Final Average Earnings, Covered compensation, and Credited Service at the time of actual retirement.
9. Vested Benefits:
- (a) Participants Eligible: All Participants who complete 5 years of Credited Service.
- (b) Annual Benefit: Calculated as in item (5) based on Final Average Earnings, covered Compensation, and Credited Service at the time of termination of employment, if participant does not elect to have his contributions with interest returned to him.
10. Survivor Benefits:
- (a) Participants Eligible: Any Participant who was retired on account of disability or who completed 5 years of Credited Service, and at the time of death, either:
- (i) was actively employed, or
- (ii) was separated from active service entitled to a deferred benefit, but had not yet begun to receive retirement benefits.
- (b) Annual Benefit:

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The eligible spouse survivor will receive the amount of benefit, including the early retirement supplement unreduced for early commencement that would have been paid had the Participant retired on the date of death and elected the normal form of payment for married participants.

If a Participant has retired on account of disability, his Spouse shall receive a benefit equal to the retirement benefit that would have been payable had the Participant retired at the time his disability commenced, and elected the normal form of payment for married participants.

11. Employee Contribution

- (a) Annual Contribution: 3% of Earnings up to December 31, 1990, 2% of Earnings afterwards.
- (b) Interest Credited: 3% per annum.

12. Forms of Benefit Payment:

- (a) Normal Form: Reduced 55% joint and survivor annuity for married participants; life annuity for single participants. (For single participants, the excess of the retired Participant's contributions with interest over the sum of benefits paid is returned at his death in a lump sum payment to the retired Participant's beneficiary or estate).

- (b) Optional Forms: Actuarially equivalent 5 or 10 years Certain and Continuous, life annuity, or a 100% Contingent Annuitant option.

13. Cost of Living Adjustments

Effective April 1, 1987, benefits paid to pensioners and beneficiaries as of April 1, 1987 were increased .25% for each month from the later of benefit commencement date or April 1, 1985 through March 31, 1987. Pensioners' benefits were previously increased in 1981, 1983, and 1985.

Effective April 1, 1988, and each April 1 thereafter, each participant and beneficiary receiving retirement or survivor benefits from the Plan shall be entitled to have the benefit he or she is then receiving increased by the same percentage as the increase in the average Consumer Price Index – Urban Wage Earners and Clerical Workers (CPI-W) for the third quarter of the preceding year, or by four percent (4%), whichever is the lesser figure. For those years when the Consumer Price Index exceeds 4%, the Benefits Program Manager and the Trustees, upon review of the financial conditions of the Plan, may recommend to the Commander increases of more than 4%.

A. CHANGES IN PLAN SINCE PRIOR VALUATION

None.